

PTO-1449 (Modified)

U.S. DEPARTMENT OF COMMERCE

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SERIAL NUMBER: 09/696,194

Sheet 1 of 1

PATENT AND TRADEMARK OFFICE

APPLICANTS: Edward C. LAVELLE, et al.

GROUP ART UNIT: TBA

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FILING DATE: October 26, 2000

		U.S	S. PATENT DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
7	4,470,967	09/11/1984	Gough et al.			
	5,603,960	02/18/1997	O'Hagan et al.			
	5,629,011	05/13/1997	Illum			
	5,744,155	04/28/1998	Friedman et al.			
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\\	5,955,097	09/21/1999	Tapolsky et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
8	92/17167	10/15/1992	WO	<u> </u>		
	86/06635	11/20/1986	WO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) E.C. Lavelle, et al., "Mucosal Immunogenicity of Plant Lectins in Mice", Immunology, 2000, Vol. 99, pp. 30-37. Paul J. Giannasca, et al., "Targeted Delivery of Antigen to Hamster Nasal Lymphoid Tissue with M-cell-Directed Lectins", Infection and Immunity, Oct. 1997, pp. 4288-4298. Neil A. Williams, et al., "Immune Modulation by the Cholera-Like Enterotoxins: From Adjuvant to Therapeutic", Immunology Today, Feb. 1999, Vol. 20, No. 2, pp. 95-101. Wim Van den Broeck, et al., "Receptor-Dependent Immune Responses in Pigs after Oral Immunization with F4 Fimbriae", Infection and Immunity, Feb. 1999, pp. 520-526. H. J. de Aizpurua, et al., "Oral Vaccination: Identification of Classes of Proteins that Provoke an Immune Response upon Oral Feeding", J. Exp. Med., Feb. 1998, Vol. 167, pp. 440-451. Naoto Shibuya, et al., "The Elderberry (Sambucus nigra L.) Bark Lectin Recognizes the Neu5Ac(α2-6)Gal/GalNAc Sequence", The Journal of Biological Chemistry, Feb. 5, 1987, Vol. 262, No. 4, pp. 1596-1601. Tomás Girbés, et al., "Isolation and Partial Characterization of Nigrin B, a Non-toxic Novel Type 2 Ribosome-Inactivating Protein from the Bark of Sambucus nigra L.", Plant Molecular Biology, 1993, Vol. 22, pp. 1181-1186.

EXAMINER		DATE CONSIDERED 00/13/03	
EXAMINER: Init	ia citation if reference was considered. Draw lin	e through citation if not in conformance to MPEP 60	9 and not considered.
Include copy of th	if form with next communication to applicant.		

N	0 7 2001			- SHEET <u>1</u> OF <u>1</u>
	FORM PTO-1444) (Modified)	U.S. Dept. of Commerce Patent and Trademark Office	Atty. Docket No.: 1629.002	RECEIVED
1	TRADUTION DIS	CLOSURE CITATION	Applicants: Lavelle <u>et al</u> .	MAY 1 0 2001
	(Use several	sheets if necessary)	Filing Date: 10/26/00	TECHOCOUP: 1648
_		пе	PATENT DOCUMENTS	TECH CENTER 1600/2900

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*Examiner InTojal		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
7	AA	4,414,201	11/08/83	Shionoya <u>et al</u> .	424	88	06/01/82
$\overline{\mathcal{O}}$	AB						
	AC						
	AD						
	AE						
	AF						

		Document Number	Publ. Date	Country	Class	Subclass	Trans- Yes	lation No
4	BA	156,633	10/02/85	Europe				
\ \	BB	DE 42 21 836 A1	01/05/94	Germany				
0	BC							_
	BD							
	BE							

$\overline{}$		 OTHER CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)
	CA	Lavelle et al., "Mucosal Immunogenicity and Adjuvanticity of Plant Lectins" Scandinavian Journal of Immunology $52(4):422$, October, 2000
	СВ	O'Hagan <u>et al</u> ., "Intranasal Immunization with Recombinant gD2 Reduces Disease Severity and Mortality Following Genital Challenge with Herpes Simplex Virus Type 2 in Guinea Pigs" <u>Vaccine</u> <u>17</u> :2229-2236, 1999
	СС	Stein <u>et al.</u> , "Induction of Anti-Mistletoe Lectin Antibodies in Relation to Different Mistletoe Extracts" <u>Anti-Cancer Drugs</u> 8 (Suppl 1):S57-S59
4	CD	Lavelle et al., "The Identification of Plant Lectins with Mucosal Adjuvant Activity" Immunology 102:77-86, 2001

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	06/13	03

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.